

TOWNSEND
and
TOWNSEND
and
CREW

LLP



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Two Embarcadero Center
Eighth Floor
San Francisco
California 94111
Tel 415 576-0200
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March 7, 2006

VIA U.S. MAIL

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Assignment Recordation Correction
U.S. Nonprovisional Patent Appln. 10/032,156 ✓
For: "Multi-Stage Encoder and Decoder for Communication Systems"
Our File No.: 019186-003800US

Dear Sir or Madam:

An error appears in the enclosed Notice of Recordation. Two of the inventors names and doc dates were not recorded. The missing names and corresponding execution dates should read:

Assignor: "Lassen, Soren"

Doc Date: "03/20/2002"

Assignor: "Luby, Michael"

Doc Date: "03/21/2002"

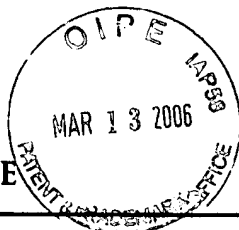
Enclosed is a marked-up copy of original Notice of Recordation of Assignment document and cover sheet together with a copy of the Assignment. The rest of the information on the Notice of Recordation is correct. This error is not due to any act of Applicant.

Please correct the USPTO Assignment records, and return a corrected Notice of Recordation to us at your earliest opportunity. Please do not hesitate to call if there is any question.

Sincerely,


C. Bart Sullivan

CBS/b2f
Enclosures
60718548 v1



019186-003800VS GES

JUNE 11, 2002

PTAS
TOWNSEND AND TOWNSEND AND CREW LLP
GREGORY E. STANTON
TWO EMBARCADERO CENTER
8TH FLOOR
SAN FRANCISCO, CA 94111-3834

Chief Information Officer
Washington, DC 20231
www.uspto.gov



102058054A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/11/2002

REEL/FRAME: 012784/0900
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

> SHOKROLLAHI, M. AMIN
> LASSEN, SOREN
> LUBY, MICHAEL

DOC DATE: 03/20/2002
> : 03/20/2002
> : 03/21/2002

ASSIGNEE:

DIGITAL FOUNTAIN, INC.
39141 CIVIC CENTER DR.
SUITE 300
FREMONT, CALIFORNIA 94538

SERIAL NUMBER: 10032156
PATENT NUMBER:

FILING DATE: 12/21/2001
ISSUE DATE:

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

CANCELLED
OFFICE OF THE
COMMISSIONER OF PATENTS & TRADEMARKS

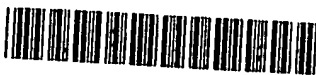
Attorney Docket No. 019186-0038000US

Form PTO-1595

(Rev. 03-01)

OMB No. 0651-0027 (exp. 5/31/2002)

04-17-2002



U.S. Department of Commerce
U.S. Patent and Trademark Office

Tab settings ⇌ ⇌ ⇌ ▼

To the Honorable Commissioner of Pa

102058054

Original documents or copy thereof
of receiving party(ies)

1. Name of conveying party(ies):

M. Amin Shokrollahi

4-11-02

Name: Digital Fountain, Inc.

Internal Address:

Street Address: 39141 Civic Center Dr., Suite 300

City: Fremont State: CA ZIP: 94538

Additional name(s) of conveying parties attached? ☒ Yes ☐ No.

3. Nature of conveyance:

☒ Assignment

☐ Merger

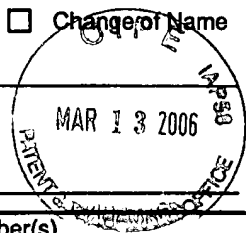
☐ Security Agreement

☐ Change of Name

☐ Other:

Additional names and addresses attached? ☐ Yes ☒ No

Execution Date: 3/20/02



4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 10/032,156

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gregory E. Stanton
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 20-1430

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Gregory E. Stanton

Name of Person Signing
Atty. Reg. No. 45,127

Signature

4/1/02

Date

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

04/16/2002 DBYRNE 00000102 201430 10032156

01 FC:561

40.00 CH

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Soren Lassen
Michael Luby

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

COPY

Attorney Docket No.: 019186-003800US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, M. Amin Shokrollahi of 904 Regal Road, Berkeley, CA 94708; Soren Lassen of 233 Bartlett St., San Francisco, CA 94110; and Michael Luby of 1133 Miller Ave., Berkeley, CA 94708; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: MULTI-STAGE CODE GENERATOR AND DECODER
FOR COMMUNICATION SYSTEMS

Date(s) of execution of Declaration:

Filing Date: 12/21/01

Application No.: 10/032,156; and

WHEREAS, Digital Fountain, Inc., a corporation of the state of Delaware, located at 39141 Civic Center Drive, Suite 300, Fremont, CA, 94538, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

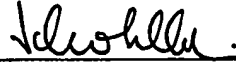
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

COPY

Assignment
Attorney Docket No.: 019186-003800US
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 03/20/2002



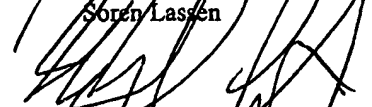
M. Amin Shokrollahi

Dated: 03/20/2002



Soren Lassen

Dated: 3/21/2002



Michael Luby